## This Page Is Inserted by IFW Operations and is not a part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

Under the Paperwork Reduction Act of 1995, no ignores are required to respond to a collection of information unless if displays a valid OMB control number.

## DECLARATION (\$7 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| Title of invention               | Bi-directional Transfer of Signals Between a Power Line Communication System and a Coazdat Distribution System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| As the below named               | inventoris), l/we declare that                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| This declaration is di           | rected to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                  | The attached application, or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                  | Application No, filed on,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                  | as amended on(if applicable);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I/we believe that I/w<br>sought; | e am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                  | and understand the contents of the above-identified application, including the claims, as amended by any<br>ally referred to above:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| material to patentab             | e duty to disclose to the United States Patent and Trademark Office all information known to me/us to be<br>lity as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which<br>etween the filing date of the prior application and the national or PCT international filing date of the<br>application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| to be true, and furti            | herein of my/own knowledge are true, all statements made herein on information and belief are believed her that these statements were made with the knowledge that willful false statements and the like are imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| FULL NAME OF INV                 | (ENTOR(S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Inventor one: Jeffer             | y Arnold Pages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Signature:                       | Citizen of: United States of Americs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Inventor two:                    | morney Minchell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Signature: Just                  | Land States of America                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Inventor three:                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Signature:                       | Citizen of:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Inventor four:                   | and the state of t |
| Signature:                       | Citizen of;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Additional inve                  | nters or a lagal representative are being named on 0 additional form(a) attached herato.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

This collection of information is required by 35 U.S.C. (15 and 37 CFR 1.63. The information is required to obtain or calain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. These will very depending upon the individual case, Any comments on the amount of time year require to correction from another suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Congestivationer for Pigents, P.O. Box 1450, Alexandria, VA 22313-1450.

If your need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/58/81 (09-09) Approved for use through 11/30/2005. CMB 0851-0095
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Persenter's Reduction Act of 1995, no represent are required to respond to a collection of information unless is displayed a valid Child control mamber.

Application Number Unassigned Unassigned Filing Date POWER OF ATTORNEY Herenden First Named Inventor Hales et al. Titta Bi-directional Transfer of ... CORRESPONDENCE ADDRESS Art Unit Unaccigned INDICATION FORM Exeminer Name Unaccioned **Attorney Docket Number** 0900-029 I hereby appoint: Practitioners associated with the Customer Number: 28108 OR Practitiones(s) nemed below: Name Registration Number as mylour alternay(s) or agent(s) to presecute that application identified above, and to transect all business in the United States Potent and Trademark Office connected the mylour. Please recognize or change the consespondence address for the above-identified application to: **∀**] The address associated with the above-mentioned Customer Number: The exidress associated with Customer Number: Flore or Individual Name Address City Ζφ Country Telephone Fex I am the: Applicant/Inventor. 7 Assignee of record of the entire Interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enciseed. (Form PTO/SB/96) SIGNATURE of Applicant or Assignee of Record Name Durdel F. Sellam, Chill Executive Officer, continedia, inc Signature 4w Merch 5 2004 Telephone (678) 990-5450 NOTE: Signatures of all the inventors of micloruses of record of the artists tribunal or their representative(s) are required. Submit multiple forms if more than one algorithm to required, sub-below?

This collection of information is required by 37 CFR 1.51 and 1.33. The information is required to obtain or retain a benefit by the public which is to the (and by the USPTO to process) an application. Calculationability is applicant by 35 U.S.C. 122 and 37 CFR 1.14. This collection is collection to take 3 minutes to complete, including gathering, preparing, and substitute the compiled application forms to the USPTO. Time will vary depending upon the instruction can fine amount of time you require to calculate this term patter suggestions for reducing this burden, should be sent to the Chief information officer, U.S. Pelection and Trademack CFIce, U.S. Department of Commerce, P.D. Box 1460, Alexandria, VA 22218-1460, OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patentia F.O. Box 1458, Alexandria, VA 22218-1450.

PTC//SIMAS (06-09)

Approved for use through 07/31/2006. OMB 0551-0031

U.S. Patent and Transmerk Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Not of 1995, no Streem are required to respond to a collection of information unless it deplays a valid OMB control tumber.

|                                                                                                                                                                                                                                                                   | <b>.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATEMENT UNDER 37 CFR 3,73(b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant/Patent Owner: Hala                                                                                                                                                                                                                                      | et al.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application No./Patent No.: _u                                                                                                                                                                                                                                    | pessioned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Filed/lasue Date: Herawith                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Entitled: Bi-directional Transfal                                                                                                                                                                                                                                 | of Signals Bel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ween a Power Line Communication System and a Coadal Distribution System                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| coeXmedia, Inc.                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | a Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| (Name of Assignme)                                                                                                                                                                                                                                                | ***************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (Type of Assignes, e.g., corporation, partnership, university, government agency, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| states that it is:  1. ② the assignee of the enti                                                                                                                                                                                                                 | e right, title, e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ad interest; or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2. D an assignee of less that                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| The extent (by percents in the patent application/patent                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | inship Interest is%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| A. [/] An assignment from the in the United States Pate attached,                                                                                                                                                                                                 | inventor(s) of<br>int and Trader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | the patent application/patent identified above. The assignment was recorded mark Office at Reel, Frame, or for which a copy thereof is                                                                                                                                                                                                                                                                                                                                                                                           |
| OR                                                                                                                                                                                                                                                                | 100000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| below:                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | the patent application/patent identified above, to the current assignee as shown                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1. From:                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Τα:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| The document wa                                                                                                                                                                                                                                                   | ia recorded in<br>Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | the United States Patent and Trademark Office at oppy thereof is attached.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                   | <b>4</b> :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2. From:                                                                                                                                                                                                                                                          | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ΤαΤα                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| The document wi                                                                                                                                                                                                                                                   | s recorded in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | the United States Patent and Trademark Office at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| The document wi                                                                                                                                                                                                                                                   | se recorded in<br>Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | the United States Patent and Trademark Office at, or for which a copy thereof is attached.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| The document wi                                                                                                                                                                                                                                                   | Franse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | the United States Patent and Trademark Office at, or for which a copy thereof is attached.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| The document wi<br>Reel<br>3. From:<br>The document w                                                                                                                                                                                                             | Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | the United States Patent and Trademark Office at, or for which a copy thereof is attached.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| The document wi<br>Reel<br>3. From:<br>The document wi<br>Reel                                                                                                                                                                                                    | Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | the United States Patent and Trademark Office at, or for which a copy thereof is attached                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3. From: The document wi                                                                                                                                                                                                                                          | Franse<br>recorded in<br>Fransi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | the United States Patent and Trademark Office at, or for which a copy thereof is attached                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| The document wind Reel                                                                                                                                                                                                                                            | Freme s recorded in Frame prits in the cha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | the United States Patent and Trademark Office at, or for which a copy thereof is attached.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| The document wind Reel                                                                                                                                                                                                                                            | Freme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | the United States Patent and Trademark Office at, or for which a copy thereof is attached.  To: the United States Patent and Trademark Office at, or for which a copy thereof is attached.  an of title are listed on a supplemental sheet.  Its in the chain of title are attached. It assignment document or a true copy of the original document) It in accordance with 37 CFR Part 3, if the assignment is to be                                                                                                             |
| 3. From: The document we Reel  3. From: The document we Reel  [ ] Additional document we Reel  [ ] Copies of assignments or (NOTE: A separate copy (must be submitted to Assigned in the records of                                                               | Frense<br>be recorded in<br>Frami<br>ints in the ch<br>ther docume<br>a, the origin<br>frament Divisi<br>the USPTO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | the United States Patent and Trademark Office at, or for which a copy thereof is attached.  To: the United States Patent and Trademark Office at, or for which a copy thereof is attached.  an of title are listed on a supplemental sheet.  Its in the chain of title are attached. It assignment document or a true copy of the original document) It in accordance with 37 CFR Part 3, if the assignment is to be                                                                                                             |
| 3. From: The document we Reel  3. From: The document we Reel  [ ] Additional document we Reel  [ ] Copies of assignments or (NOTE: A separate copy (must be submitted to Assigned in the records of                                                               | Frense<br>be recorded in<br>Frami<br>ints in the ch<br>ther docume<br>a, the origin<br>frament Divisi<br>the USPTO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | the United States Patent and Trademark Office at, or for which a copy thereof is attached                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| The document wind Reel  3. From: The document wind Reel  [ ] Additional document wind Reel  [ ] Copies of assignments or a property of the submitted to Assignment to Assignment of the recorded in the records of the undersigned (whose title in March  Dete    | Freme  Fr | the United States Patent and Trademark Office at, or for which a copy thereof is attached, or for which a copy thereof is attached. the United States Patent and Trademark Office at, or for which a copy thereof is attached. the of title are listed on a supplemental sheet. It is in the chain of title are attached. It assignment document or a true copy of the original document) In in accordance with 37 CFR Part 3, if the assignment is to be the MPEP 302.08]  W) is authorized to act on behalf of the assignment. |
| The document wind Reel  3. From: The document wind Reel  [ ] Additional document wind Reel  [ ] Copies of assignments or of [NOTE: A separate copy (must be submitted to Assignment of the records of the undersigned (whose title in March  Date  (678) 990-5456 | Frense<br>Frami<br>Frami<br>Ints in the ch<br>ther docume<br>e., the origin<br>Inment Divisi<br>the USPTO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | the United States Patent and Trademark Office at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| The document wind Reel  3. From: The document wind Reel  [ ] Additional document wind Reel  [ ] Copies of assignments or a property of the submitted to Assignment to Assignment of the recorded in the records of the undersigned (whose title in March  Dete    | Frense<br>Frami<br>Frami<br>Ints in the ch<br>ther docume<br>e., the origin<br>Inment Divisi<br>the USPTO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | the United States Patent and Trademark Office at, or for which a copy thereof is attached                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| The document wind Reel  3. From: The document wind Reel  [ ] Additional document wind Reel  [ ] Copies of assignments or of [NOTE: A separate copy (must be submitted to Assignment of the records of the undersigned (whose title in March  Date  (678) 990-5456 | Frense<br>Frami<br>Frami<br>Ints in the ch<br>ther docume<br>e., the origin<br>Inment Divisi<br>the USPTO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | the United States Patent and Trademark Office at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

This collection of information is required by 37 CFR 3.72(b). The information is required to obtain or retain a benefit by the public which is to the (and by the USPTO in process) an application. Of information by 35 U.S.C. 122 and 37 CFR 1.14. This collection is self-minuted to take 12 minutes to complete, including gathering, preparing, and sublicitating the completed application form to the USPTO. Three will vary depending upon the individual case. Any comments on the amount of time you require to complete this force angles comments on the amount of time you require to complete this force angles comments and Tradement Office, U.S. Department of Commerce, P.D. Box 1450, Alexandria, VA 22313-1450. DO NOT GEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissionier for Patential P.O. Box 1450, Alexandria, VA 22313-1450.